



Dr. Ronald E. Knudsen

Program Director, Communication Systems
Space and Naval Warfare Systems Command

Ronald Knudsen received the Bachelor of Science in Electrical Engineering from Stanford University in 1960, a Master of Science degree in Mathematics from San Diego State University in 1964, a Master of Science degree in Systems Management from University of Southern California, and a Ph.D. in Electrical Engineering from the Pennsylvania State University in 1971. He is a graduate of the Defense Systems Management College Program Management Program, a member of the Acquisition Professional Community (APC) and Level III DAWIA certified in Program Management and Systems Engineering.

In 1960, he joined the General Dynamics Corporation in San Diego as a systems engineer working on the conceptual design and analysis of advanced sensor and communication systems. From 1965 to 1972, he was a member of the technical staff of the ordnance Research Laboratory of the Pennsylvania State University. His work included technology development for guidance and control of advanced torpedoes, active and passive acoustic countermeasures, and ASW fire control.

Dr. Knudsen joined the Naval Electronic Systems Command in 1972 as the project engineer for the Suspended Array Surveillance System in the Undersea Surveillance Program Office. Over the next seven years he held progressively more responsible positions, advancing to Deputy Program Manager/Technical Director in 1980. Dr. Knudsen was the principle architect of the Navy's Integrated Undersea Surveillance Systems (IUSS); for integrating the separate component programs, SOSUS, SURTASS, FDS, and Active Adjunct. He In 1986, Dr. Knudsen became the Executive Director of the Communications Systems Program Directorate. He directed the development of a strategic plan for the Navy's communication architecture; This architecture, the was subsequently adopted (JMCOMS) as one of the four pillars of the Navy's Copernicus C41 architecture.

In addition to his program management responsibilities, Dr. Knudsen was a major contributor to command initiatives. He was a principle contributor to the establishment of the command System Engineering Board. He chaired the command Human Resources Development Board, to and directed the command implementation of DAWIA.

In 1993, Dr. Knudsen became the Assistant Commander for Policy and Operations; responsible for a acquisition policy, corporate information management and command operations. In 1996, Dr. Knudsen became as the Executive Director for the newly formed Information Support Systems Directorate, responsible for development, installation and operational support of Naval Combat Support information systems. In 1998, Dr. Knudsen assumed his present position as the Program Director for Communications Systems, responsible for development installation and operational support of most Naval communication systems.

Dr. Knudsen received the Meritorious and Distinguished SES Presidential Rank Awards in 1982 and 1988, respectively.